

- (c) natural radioactivity
- (d) artificial radioactivity

19. In nuclear reactors the speed of neutrons is slowed down by –

- (a) heavy water
- (b) ordinary water
- (c) zinc rods
- (d) molten caustic soda

20. In treatment of cancer, which of the following is used-

- (a) $^{131}_{53}\text{I}$
- (b) $^{32}_{15}\text{P}$
- (c) $^{60}_{27}\text{Co}$
- (d) ^2_1H

21. What was the fissionable material used in the bombs dropped at Nagasaki (Japan) in the year 1945?

- (a) Sodium
- (c) Potassium
- (c) Plutonium
- (d) Uranium

22. 'Yellow cake' an item of smuggling across border is-

- (a) a crude form of heroin
- (b) a crude form of cocaine
- (c) uranium oxide
- (d) unrefined gold

- (c) Carbonates of sodium and magnesium
- (d) Bicarbonates of magnesium and calcium

82. Red phosphorus is less reactive than yellow phosphorus because-

- (a) It is red in colour
- (b) it is highly polymerized
- (c) It is insoluble in C_2H_5OH
- (d) it is hard

83. In the manufacture of safety matches, we use-

- (a) White phosphorus
- (b) Black phosphorus
- (c) Violet phosphorus
- (d) Red phosphorus

84. Photographic plates are coated with a film of-

- (a) $AgCl$
- (b) $AgBr$
- (c) AgI
- (d) $AgNO_3$

85. Acid rain is due to

- (a) Sulphur dioxide pollution
- (b) Carbon monoxide pollution
- (c) Pesticide pollution
- (d) Dust particules in the atmosphere

86. The gas used to extinguish fire is –

(a) Neon

(b) Nitrogen

(c) Carbon dioxide

(d) Carbon monoxide

87. Which of the following is responsible for blue baby syndrome-

(a) Fluoride

(b) Nitrate

(c) Arsenic

(d) Lead

88. The pollutant responsible for ozone holes is

(a) CO₂

(b) SO₂

(c) CO

(d) CFC

89. Nitrogen in water is commonly found in the form of :

(a) Nitric oxide

(b) Nitrous oxide

(c) Nitrate

(d) Nitrite

90. In the study of pollution, SPM refers to

(a) Sulphur Phosphorus Matter

(b) Sulphur Particulate Matter

(c) Solid Particulate Matter

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(b) glucose and galactose

(c) glucose and fructose

(d) glucose and lactose

105. One of the best solutions to get rid of non – biodegradable wastes is

(a) Recycling

(b) Dumping

(c) Burying

(d) Burning

106. The term ‘Carbon foot print’ means

(a) A region which is rich in coal mines

(b) The amount of reduction in the emission of CO₂ by a country

(c) The use of Carbon in manufacturing industries

(d) The amount of greenhouse gases produced by our day-to-day activities

107. Ozone depletion in the stratosphere is mainly caused by-

(a) SO₂

(b) NO₂

(c) NO

(d) Chlorofluorocarbons

108. Global warming may result in-

(a) Flood

(b) cyclone

(c) Decrease in forest productivity